BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 10.00Lakhs

Name of Work:-Improvement of roads and drains in B sector in Ward no 04 Yelahanka New Town Sub Division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil involving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no141, PWD SR 2015-16)	Cum							
	Desilting of drains		2	290.00	0.45	0.20	52.20		
			2	150.00	0.50	0.20	30.00		
			1	290.00	1.00	0.20	58.00		
			1	150.00	1.00	0.20	30.00		
							170.20	**83.16**	**14154.00**
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
	Total	83.16							
2	Removing B.S slab of drain and stacking (P.No 25 I.No 5.32)g	sqm							
			2	150.00	1.35		405.00		
							405.00		
		Deduct 30%of Missing slabs qty					121.50		
							283.50	**63.72**	**18065.00**
	Basic Rate	59.00							
	Area Weightage @ 8%	4.72							
	Total	63.72							
3	Refixing stone slabs of drains and pointing in CM(1:3)(P.No 25 I.No 5.33)	Sqm							
			Vide Item No. 2				**283.50**	**78.84**	**22351.00**
	Basic Rate	73.00							
	Area Weightage @ 8%	5.84							
	Total	78.84							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick(P.No 25 I.No	sqm							
		30%of Missing slabs qty					**121.50**	**663.12**	**80569.08**
	Basic Rate	614.00							
	Area Weightage @ 8%	49.12							

	Total	663.12								
5	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/ sand/kanker/ Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130.PWD SR 2015-16	Cum								
			Vide Item No. 1					170.20	73.44	12499.00
	Basic Rate	68.00								
	Area Weightage @ 8%	5.44								
		73.44								
6	KSRRBM400-17,Providing, laying, spreading andcompacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site,laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with vibratory roller to achieve the desired dencity complete as per specifications.MORTH Specification No.406(Item no20.18,Page no157 ,PWD SR 205-16)	Cum								
			1	150.00	1.00	0.20	30.00			
	Road cut portion		15	5.00	1.00	0.15	15.00	1713.96		77128.00
							45.00			
	Basic Rate	1587.00								
	Area Weightage @ 8%	126.96								
	Total	1713.96								
7	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH Specifications No502 (ITEMNO21.6,Page no157,PWD SR 2015-16)	Sqm								
			1	150.00	5.00		750.00			

							750.00	32.40	24300.00
	Basic Rate	30.00							
	Area Weightage @ 8%	2.40							
	Total	32.40							
8	KSRRB M500-18.Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler,transporting the hot mix to work site.laying with a paver finisher to the required grade,levell and alignment,rollingwithsmoothwheeled,vibratoryandtandemrollers to achievethedesiredcompactionasperMORTHSpecificationclauseno508completeinallrespectscompleteasperspecifications.using 100120THcapacityH.M.P with sensor paver grading (35-40mm) with4.5%CRMB55grade(Itemno21.21.1,Pageno163 2015-16)	Cum							
			1	150.00	5.00	0.030	22.50		
							22.50	**9264.24**	**208445.00**
	Basic Rate	8578.00							
	Area Weightage @ 8%	686.24							
	Total	9264.24							
9	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2015-16)	Cum							
	Road cut portion		1	290.00	0.90	0.15	39.15		
	Cross cutting		30	5.00	0.90	0.15	20.25		
							59.40	**5070.60**	**301194.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	5070.60							

10	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (PWD SR 2015-16, p.no13,no 4.11) Specification key to be taken from SR 2015-16 item no. 4.11	Cum							
	Road cut portion		1	290.00	0.90	0.10	26.10		
	Cross cutting		30	5.00	0.90	0.10	13.50	6198.12	245446
		5739					**39.60**	**6065.28**	**240185.00**
	Basic rate	5616.00							
	Add 8% AW	449.28	459.12						
	Total	6065.28	6198.12						
									1109.92
11	Miscellaneous charges	L/S							
								Total RS	**1000000.00**
(Rupees Ten lakh only)									

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 10.00 Lakhs
Ten Lakhs only
is accorded under head P.1771 — 2015-16
Registered as CE No. ..... Subject to conditions contained in endorsed memo No. EE/YNK/AA/65/15-16 2-1-16
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00 Lakhs
Rupees Ten Lakhs only
Under P.1771 - 2015-16
Registered as CE ( ) No. .....
Subject to conditions contained in enclosed memo EE ( ) No. ..... Dt. EE/YNK/TS/83/15-16 Dated 2-1-16 Rs. 10.00 Lakhs
Executive Engineer